



# VITEX S.A.

## GALVANIZE

Revision nr.6  
Dated 24/06/2019  
Printed on 11/09/2020  
Page n. 1 / 13  
Replaced revision:5 (Dated 26/02/2015)

## Safety Data Sheet

According to Annex II to REACH - Regulation 2015/830

### SECTION 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name **GALVANIZE**

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use **Anticorrosive primer ideal for metallic surfaces.**

#### 1.3. Details of the supplier of the safety data sheet

Name **VITEX S.A.**  
Full address **IMEROS TOPOS**  
District and Country **19300 ASPROPYRGOS (ATTIKI)**  
**GREECE**  
Tel. **(0030) 2105589400**  
Fax **(0030) 2105597859**

e-mail address of the competent person responsible for the Safety Data Sheet **vitexlab@vitex.gr**

Product distribution by: **VITEX S.A**

#### 1.4. Emergency telephone number

For urgent inquiries refer to **(0030) 2105589400**  
**(0030) 2107793777**

### SECTION 2. Hazards identification

#### 2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2015/830. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

##### Hazard classification and indication:

|  |      |   |
|--|------|---|
| Flammable liquid, category 3                                       | H226 | Flammable liquid and vapour.                          |
| Eye irritation, category 2   | H319 | Causes serious eye irritation.                        |
| Specific target organ toxicity - single exposure, category 3       | H335 | May cause respiratory irritation.                     |
| Hazardous to the aquatic environment, chronic toxicity, category 1 | H410 | Very toxic to aquatic life with long lasting effects. |

#### 2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:



Signal words: **Warning**

Hazard statements:

|               |   |
|---------------|---|
| <b>H226</b>   | Flammable liquid and vapour.                          |
| <b>H319</b>   | Causes serious eye irritation.                        |
| <b>H335</b>   | May cause respiratory irritation.                     |
| <b>H410</b>   | Very toxic to aquatic life with long lasting effects. |
| <b>EUH208</b> | Contains: <b>COBALT BIS (2-ETHYLHEXANOATE)</b>        |



# VITEX S.A.

## GALVANIZE

Revision nr.6  
Dated 24/06/2019  
Printed on 11/09/2020  
Page n. 2 / 13  
Replaced revision:5 (Dated 26/02/2015)

### SECTION 2. Hazards identification ... / >>

May produce an allergic reaction.

#### Precautionary statements:

- P101** If medical advice is needed, have product container or label at hand.  
**P102** Keep out of reach of children.  
**P210** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
**P271** Use only outdoors or in a well-ventilated area.  
**P273** Avoid release to the environment.  
**P405** Store locked up.  
**P501** Dispose of contents / container in accordance with local and national regulations.

**Contains:** HYDROCARBONS, C9, AROMATICS  
XYLENE (MIXTURE OF ISOMERS)

#### VOC (Directive 2004/42/EC) :

One-pack performance coatings.

VOC given in g/litre of product in a ready-to-use condition : 493,00

Limit value: 500,00

### 2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

### SECTION 3. Composition/information on ingredients

#### 3.2. Mixtures

Contains:

| Identification  | x = Conc. %            | Classification 1272/2008 (CLP)   |
|---|------------------------|--|
| <b>ZINC DUST</b>  |                        |  |
| CAS   | 7440-66-6 50 ≤ x < 55  | Aquatic Acute 1 H400 M=10, Aquatic Chronic 1 H410 M=10   |
| EC  | 231-175-3              |  |
| INDEX   | 030-001-01-9           |  |
| <b>HYDROCARBONS, C9, AROMATICS</b>  |                        |  |
| CAS   | 64742-95-6 13 ≤ x < 14 | Flam. Liq. 3 H226, Asp. Tox. 1 H304, STOT SE 3 H335, STOT SE 3 H336, Aquatic Chronic 2 H411, EUH066, Classification note according to Annex VI to the CLP Regulation: P  |
| EC  | 918-668-5              |  |
| INDEX   | 649-356-00-4           |  |
| Reg. no.  | 01-2119455851-35-XXXX  |  |
| <b>XYLENE (MIXTURE OF ISOMERS)</b>  |                        |  |
| CAS   | 1330-20-7 8 ≤ x < 9    | Flam. Liq. 3 H226, Acute Tox. 4 H312, Acute Tox. 4 H332, Asp. Tox. 1 H304, STOT RE 2 H373, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Classification note according to Annex VI to the CLP Regulation: C |
| EC  | 215-535-7              |  |
| INDEX   | 601-022-00-9           |  |
| Reg. no.  | 01-2119488216-XXXX     |  |
| <b>ZINC OXIDE</b>   |                        |  |
| CAS   | 1314-13-2 3 ≤ x < 4    | Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1   |
| EC  | 215-222-5              |  |
| INDEX   | 030-013-00-7           |  |
| <b>METHYL ISOBUTYL KETONE</b>   |                        |  |
| CAS   | 108-10-1 1 ≤ x < 2     | Flam. Liq. 2 H225, Acute Tox. 4 H332, Eye Irrit. 2 H319, STOT SE 3 H335, EUH066  |
| EC  | 203-550-1              |  |
| INDEX   | 606-004-00-4           |  |
| Reg. no.  | 01-2119473980-30       |  |
| <b>HYDROCARBONS, C9-C11, n-ALKANES, ISOALKANES, CYCLICS, &lt;2% AROMATICS</b> |                        |  |
| CAS   | 64742-48-9 0 ≤ x < 1   | Flam. Liq. 3 H226, Asp. Tox. 1 H304, STOT SE 3 H336, EUH066, Classification note according to Annex VI to the CLP Regulation: P  |
| EC  | 919-857-5              |  |
| INDEX   | 649-327-00-6           |  |
| Reg. no.  | 01-2119463258-XXXX     |  |



# VITEX S.A.

## GALVANIZE

Revision nr.6  
Dated 24/06/2019  
Printed on 11/09/2020  
Page n. 3 / 13  
Replaced revision:5 (Dated 26/02/2015)

### SECTION 3. Composition/information on ingredients ... / >>

#### CALCIUM BIS (2-ETHYLHEXANOATE)

CAS 136-51-6  $0 \leq x < 1$

EC 205-249-0

INDEX

Reg. no. 01-2119978297-19-XXXX

Repr. 2 H361d, Eye Dam. 1 H318

The full wording of hazard (H) phrases is given in section 16 of the sheet.

### SECTION 4. First aid measures

#### 4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention immediately. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately.

INGESTION: Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorised by a doctor.

#### 4.2. Most important symptoms and effects, both acute and delayed

Specific information on symptoms and effects caused by the product are unknown.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Information not available

### SECTION 5. Firefighting measures

#### 5.1. Extinguishing media

##### SUITABLE EXTINGUISHING EQUIPMENT

Extinguishing substances are: carbon dioxide, foam, chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.

##### UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use jets of water. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

#### 5.2. Special hazards arising from the substance or mixture

##### HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Excess pressure may form in containers exposed to fire at a risk of explosion. Do not breathe combustion products.

#### 5.3. Advice for firefighters

##### GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

##### SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

### SECTION 6. Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

Send away individuals who are not suitably equipped. Use explosion-proof equipment. Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site.

#### 6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.



# VITEX S.A.

## GALVANIZE

Revision nr.6  
Dated 24/06/2019  
Printed on 11/09/2020  
Page n. 4 / 13  
Replaced revision:5 (Dated 26/02/2015)

### SECTION 6. Accidental release measures ... / >>

#### 6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

#### 6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

### SECTION 7. Handling and storage

#### 7.1. Precautions for safe handling

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Vapours may catch fire and an explosion may occur; vapour accumulation is therefore to be avoided by leaving windows and doors open and ensuring good cross ventilation. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. When performing transfer operations involving large containers, connect to an earthing system and wear antistatic footwear. Vigorous stirring and flow through the tubes and equipment may cause the formation and accumulation of electrostatic charges. In order to avoid the risk of fires and explosions, never use compressed air when handling. Open containers with caution as they may be pressurised. Do not eat, drink or smoke during use. Avoid leakage of the product into the environment.

#### 7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Store in a cool and well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.

#### 7.3. Specific end use(s)

Information not available

### SECTION 8. Exposure controls/personal protection

#### 8.1. Control parameters

Regulatory References:

|     |                 |   |
|-----|-----------------|---|
| BGR | България        | МИНИСТЕРСТВО НА ТРУДА И СОЦИАЛНАТА ПОЛИТИКА МИНИСТЕРСТВО НА ЗДРАВЕОПАЗВАНЕТО НАРЕДБА No 13 от 30 декември 2003 г  |
| CZE | Česká Republika | Nařízení vlády č. 361/2007 Sb. kterým se stanoví podmínky ochrany zdraví při práci  |
| FRA | France          | JORF n°0109 du 10 mai 2012 page 8773 texte n° 102   |
| GBR | United Kingdom  | EH40/2005 Workplace exposure limits   |
| GRC | Ελλάδα          | ΕΦΗΜΕΡΙΣ ΤΗΣ ΚΥΒΕΡΝΗΣΕΩΣ - ΤΕΥΧΟΣ ΠΡΩΤΟ Αρ. Φύλλου 19 - 9 Φεβρουαρίου 2012  |
| HRV | Hrvatska        | NN13/09 - Ministarstvo gospodarstva, rada i poduzetništva   |
| HUN | Magyarország    | 50/2011. (XII. 22.) NGM rendelet a munkahelyek kémiai biztonságáról   |
| SVK | Slovensko       | NARIADENIE VLÁDY Slovenskej republiky z 20. júna 2007   |
| EU  | OEL EU          | Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 91/322/EEC. |
|     | TLV-ACGIH       | ACGIH 2019  |

#### HYDROCARBONS, C9, AROMATICS

##### Threshold Limit Value

| Type | Country | TWA/8h |     | STEL/15min |     |
|------|---------|--------|-----|------------|-----|
|      |         | mg/m3  | ppm | mg/m3      | ppm |
| OEL  | EU      | 100    |     |            |     |

##### Health - Derived no-effect level - DNEL / DMEL

| Route of exposure | Effects on consumers |          | Effects on workers |               |             |         |               |
|-------------------|----------------------|----------|--------------------|---------------|-------------|---------|---------------|
|                   | Acute                | Acute    | Chronic            | Chronic       | Acute local | Chronic | Chronic       |
|                   | local                | systemic | local              | systemic      | systemic    | local   | systemic      |
| Oral              |                      |          | VND                | 11<br>mg/kg/d |             |         |               |
| Inhalation        |                      |          | VND                | 150<br>mg/m3  |             | VND     | 32<br>mg/m3   |
| Skin              |                      |          | VND                | 11<br>mg/kg/d |             | VND     | 25<br>mg/kg/d |



# VITEX S.A.

## GALVANIZE

Revision nr.6  
Dated 24/06/2019  
Printed on 11/09/2020  
Page n. 5 / 13  
Replaced revision:5 (Dated 26/02/2015)

### SECTION 8. Exposure controls/personal protection ... / >>

#### XYLENE (MIXTURE OF ISOMERS)

##### Threshold Limit Value

| Type      | Country | TWA/8h |     | STEL/15min |     |      |
|-----------|---------|--------|-----|------------|-----|------|
|           |         | mg/m3  | ppm | mg/m3      | ppm |      |
| TLV       | BGR     | 221    |     | 442        |     | SKIN |
| TLV       | CZE     | 200    |     | 400        |     | SKIN |
| VLEP      | FRA     | 221    | 50  | 442        | 100 | SKIN |
| WEL       | GBR     | 220    | 50  | 441        | 100 |      |
| TLV       | GRC     | 435    | 100 | 650        | 150 | SKIN |
| GVI       | HRV     | 221    | 50  | 442        | 100 | SKIN |
| AK        | HUN     | 221    |     | 442        |     | SKIN |
| NPHV      | SVK     | 221    | 50  | 442        |     | SKIN |
| OEL       | EU      | 221    | 50  | 442        | 100 | SKIN |
| TLV-ACGIH |         | 434    | 100 | 651        | 150 |      |

##### Health - Derived no-effect level - DNEL / DMEL

| Route of exposure | Effects on consumers |                |               |                  | Effects on workers |                |               |                  |
|-------------------|----------------------|----------------|---------------|------------------|--------------------|----------------|---------------|------------------|
|                   | Acute local          | Acute systemic | Chronic local | Chronic systemic | Acute local        | Acute systemic | Chronic local | Chronic systemic |
| Oral              |                      |                | VND           |                  |                    |                |               |                  |
| Inhalation        | 174 mg/m3            | 174 mg/m3      | VND           | 1,6 mg/kg/d      | 289 mg/m3          | 289 mg/m3      | VND           | 77 mg/m3         |
| Skin              |                      |                | VND           | 108 mg/kg/d      |                    |                | VND           | 180 mg/kg/d      |

#### METHYL ISOBUTYL KETONE

##### Threshold Limit Value

| Type      | Country | TWA/8h |     | STEL/15min |     |
|-----------|---------|--------|-----|------------|-----|
|           |         | mg/m3  | ppm | mg/m3      | ppm |
| TLV       | CZE     | 80     |     | 200        |     |
| VLEP      | FRA     | 83     | 20  | 208        | 50  |
| WEL       | GBR     |        | 50  |            | 100 |
| TLV       | GRC     | 410    | 100 | 410        | 100 |
| AK        | HUN     | 83     |     | 208        |     |
| NPHV      | SVK     | 83     | 20  | 208        |     |
| OEL       | EU      | 83     | 20  | 208        | 50  |
| TLV-ACGIH |         |        | 50  |            | 75  |

#### HYDROCARBONS, C9-C11, n-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

##### Threshold Limit Value

| Type | Country | TWA/8h |     | STEL/15min |     |
|------|---------|--------|-----|------------|-----|
|      |         | mg/m3  | ppm | mg/m3      | ppm |
| OEL  | EU      | 1200   |     |            |     |

##### Health - Derived no-effect level - DNEL / DMEL

| Route of exposure | Effects on consumers |                |               |                  | Effects on workers |                |               |                  |
|-------------------|----------------------|----------------|---------------|------------------|--------------------|----------------|---------------|------------------|
|                   | Acute local          | Acute systemic | Chronic local | Chronic systemic | Acute local        | Acute systemic | Chronic local | Chronic systemic |
| Oral              |                      |                | VND           |                  |                    |                |               |                  |
| Inhalation        |                      |                | VND           | 300 mg/kg/d      | VND                | 1500 mg/m3     |               |                  |
| Skin              |                      |                | VND           | 300 mg/kg/d      |                    |                | VND           | 300 mg/kg/d      |



# VITEX S.A.

## GALVANIZE

Revision nr.6  
Dated 24/06/2019  
Printed on 11/09/2020  
Page n. 6 / 13  
Replaced revision:5 (Dated 26/02/2015)

### SECTION 8. Exposure controls/personal protection ... / >>

#### CALCIUM BIS (2-ETHYLHEXANOATE)

##### Threshold Limit Value

| Type | Country | TWA/8h |     | STEL/15min |     |
|------|---------|--------|-----|------------|-----|
|      |         | mg/m3  | ppm | mg/m3      | ppm |
| TLV  | GRC     | 5000   |     |            |     |

##### Health - Derived no-effect level - DNEL / DMEL

| Route of exposure | Effects on consumers |                |               |                  | Effects on workers |                |               |                  |
|-------------------|----------------------|----------------|---------------|------------------|--------------------|----------------|---------------|------------------|
|                   | Acute local          | Acute systemic | Chronic local | Chronic systemic | Acute local        | Acute systemic | Chronic local | Chronic systemic |
| Oral              |                      |                | VND           | 2,83 mg/m3       |                    |                |               |                  |
| Inhalation        |                      |                | VND           | 9,86 mg/m3       |                    |                | VND           | 39,98 mg/m3      |
| Skin              |                      |                | VND           | 2,83 mg/m3       |                    |                | VND           | 5,67 mg/kg/d     |

##### Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.  
VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

### 8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

#### HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

#### SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

Consider the appropriateness of providing antistatic clothing in the case of working environments in which there is a risk of explosion.

#### EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

#### RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required. Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

#### ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

### SECTION 9. Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

| Properties                       | Value          | Information |
|----------------------------------|----------------|-------------|
| Appearance                       | viscous liquid |             |
| Colour                           | grey           |             |
| Odour                            | characteristic |             |
| Odour threshold                  | Not available  |             |
| pH                               | Not available  |             |
| Melting point / freezing point   | Not available  |             |
| Initial boiling point            | Not available  |             |
| Boiling range                    | Not available  |             |
| Flash point                      | 23 ≤ T ≤ 60 °C |             |
| Evaporation Rate                 | Not available  |             |
| Flammability of solids and gases |                |             |



### SECTION 9. Physical and chemical properties ... / >>

|  |                    |
|--|--------------------|
| Lower inflammability limit             | Not available      |
| Upper inflammability limit             | Not available      |
| Lower explosive limit                  | Not available      |
| Upper explosive limit                  | Not available      |
| Vapour pressure                        | Not available      |
| Vapour density                         | Not available      |
| Relative density                       | 1,93-1,97 g/ml     |
| Solubility                             | insoluble in water |
| Partition coefficient: n-octanol/water | Not available      |
| Auto-ignition temperature              | Not available      |
| Decomposition temperature              | Not available      |
| Viscosity                              | 85-95 KU           |
| Explosive properties                   | Not available      |
| Oxidising properties                   | Not available      |

#### 9.2. Other information

Information not available

### SECTION 10. Stability and reactivity

#### 10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

#### 10.2. Chemical stability

The product is stable in normal conditions of use and storage.

#### 10.3. Possibility of hazardous reactions

The vapours may also form explosive mixtures with the air.

##### ZINC DUST

ZINC POWDER - ZINC DUST: risk of explosion on contact with: ammonium nitrate, ammonium sulphide, barium peroxide, lead nitride, chlorates, chromium trioxide, sodium hydroxide solutions, oxidising agents, performic acid, acids, tetrachloromethane, water. May react dangerously with alkali hydroxides, bromine pentafluoride, calcium chloride solution, fluorine, hexachloroethane, nitrobenzene, potassium dioxide, carbon disulphide, silver. Reacts with acids and strong alkalis developing hydrogen.

#### 10.4. Conditions to avoid

Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.

#### 10.5. Incompatible materials

##### ZINC DUST

ZINC POWDER - ZINC DUST: water, strong alkalis and acids.

#### 10.6. Hazardous decomposition products

In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.

### SECTION 11. Toxicological information

#### 11.1. Information on toxicological effects

##### Metabolism, toxicokinetics, mechanism of action and other information

Information not available

##### Information on likely routes of exposure

Information not available

##### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available



# VITEX S.A.

## GALVANIZE

Revision nr.6  
Dated 24/06/2019  
Printed on 11/09/2020  
Page n. 8 / 13  
Replaced revision:5 (Dated 26/02/2015)

### SECTION 11. Toxicological information ... / >>

#### Interactive effects

Information not available

#### ACUTE TOXICITY

LC50 (Inhalation) of the mixture: > 20 mg/l  
LD50 (Oral) of the mixture: Not classified (no significant component)  
LD50 (Dermal) of the mixture: >2000 mg/kg

#### METHYL ISOBUTYL KETONE

LD50 (Oral) 2080 mg/kg Rat  
LD50 (Dermal) > 16000 mg/kg Rabbit  
LC50 (Inhalation) 8,2 mg/l/4h Rat

#### XYLENE (MIXTURE OF ISOMERS)

LD50 (Oral) > 2000 mg/kg Rat  
LC50 (Inhalation) > 10 mg/l/4h Rat

#### HYDROCARBONS, C9, AROMATICS

LD50 (Oral) > 2000 mg/kg Rat  
LD50 (Dermal) > 2000 mg/kg Rabbit  
LC50 (Inhalation) > 20 mg/l/4h

#### HYDROCARBONS, C9-C11, n-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

LD50 (Oral) > 5000 mg/kg Rat  
LD50 (Dermal) > 5000 mg/kg Rabbit  
LC50 (Inhalation) > 20 mg/l/4h Rat

#### SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

#### SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

#### RESPIRATORY OR SKIN SENSITISATION

May produce an allergic reaction.

Contains:

#### GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

#### CARCINOGENICITY

Does not meet the classification criteria for this hazard class

#### REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

#### STOT - SINGLE EXPOSURE

May cause respiratory irritation

#### STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

#### ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class Viscosity: 85-95 KU





### SECTION 12. Ecological information

This product is dangerous for the environment and highly toxic for aquatic organisms. In the long term, it have negative effects on aquatic environment.

#### 12.1. Toxicity

##### XYLENE (MIXTURE OF ISOMERS)

|                                   |                             |
|-----------------------------------|-----------------------------|
| LC50 - for Fish                   | > 1 mg/l/96h                |
| EC50 - for Crustacea              | > 1 mg/l/48h                |
| EC50 - for Algae / Aquatic Plants | > 1 mg/l/72h                |
| Chronic NOEC for Fish             | > 1 mg/l based on test data |
| Chronic NOEC for Crustacea        | > 0,1 mg/l                  |

##### HYDROCARBONS, C9, AROMATICS

|                                   |                                |
|-----------------------------------|--------------------------------|
| LC50 - for Fish                   | > 1 mg/l/96h                   |
| EC50 - for Crustacea              | > 1 mg/l/48h                   |
| EC50 - for Algae / Aquatic Plants | > 1 mg/l/72h                   |
| Chronic NOEC for Fish             | > 1 mg/l based on modeled data |
| Chronic NOEC for Crustacea        | > 1 mg/l based on modeled data |

##### HYDROCARBONS, C9-C11, n-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

|                                   |                                  |
|-----------------------------------|----------------------------------|
| LC50 - for Fish                   | > 100 mg/l/96h                   |
| EC50 - for Crustacea              | > 100 mg/l/48h                   |
| EC50 - for Algae / Aquatic Plants | > 100 mg/l/72h                   |
| Chronic NOEC for Fish             | > 0,1 mg/l based on modeled data |
| Chronic NOEC for Crustacea        | > 0,1 mg/l based on modeled data |

##### ZINC DUST

|                                   |   |
|-----------------------------------|---|
| LC50 - for Fish                   | 7,1 mg/l/96h <i>Nothobranchius guentheri</i>          |
| EC50 - for Crustacea              | 2,8 mg/l/48h <i>Daphnia magna</i>                     |
| EC50 - for Algae / Aquatic Plants | 0,015 mg/l/72h <i>Pseudokirchneriella subcapitata</i> |

##### CALCIUM BIS (2-ETHYLHEXANOATE)

|                                   |               |
|-----------------------------------|---------------|
| LC50 - for Fish                   | 180 mg/l/96h  |
| EC50 - for Crustacea              | 85,4 mg/l/48h |
| EC50 - for Algae / Aquatic Plants | 49,3 mg/l/72h |

##### ZINC OXIDE

|                      |   |
|----------------------|---|
| LC50 - for Fish      | 1,1 mg/l/96h <i>Oncorhynchus mykiss</i> |
| EC50 - for Crustacea | 1000 mg/l/48h <i>Daphnia magna</i>      |

#### 12.2. Persistence and degradability

##### XYLENE (MIXTURE OF ISOMERS)

Rapidly degradable

##### HYDROCARBONS, C9, AROMATICS

Rapidly degradable

##### HYDROCARBONS, C9-C11, n-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

Rapidly degradable

##### CALCIUM BIS (2-ETHYLHEXANOATE)

Rapidly degradable

#### 12.3. Bioaccumulative potential

##### XYLENE (MIXTURE OF ISOMERS)

Partition coefficient: n-octanol/water 3,12

##### HYDROCARBONS, C9, AROMATICS

Partition coefficient: n-octanol/water 3,7

##### HYDROCARBONS, C9-C11, n-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS



# VITEX S.A.

## GALVANIZE

Revision nr.6  
Dated 24/06/2019  
Printed on 11/09/2020  
Page n. 10 / 13  
Replaced revision:5 (Dated 26/02/2015)

### SECTION 12. Ecological information ... / >>

Partition coefficient: n-octanol/water 5

#### 12.4. Mobility in soil

Information not available

#### 12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

#### 12.6. Other adverse effects

Information not available

### SECTION 13. Disposal considerations

#### 13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

### SECTION 14. Transport information

#### 14.1. UN number

ADR / RID, IMDG, IATA: 1263

#### 14.2. UN proper shipping name

ADR / RID: PAINT or PAINT RELATED MATERIAL  
IMDG: PAINT or PAINT RELATED MATERIAL (ZINC DUST)  
IATA: PAINT or PAINT RELATED MATERIAL

#### 14.3. Transport hazard class(es)

ADR / RID: Class: 3 Label: 3



IMDG: Class: 3 Label: 3



IATA: Class: 3 Label: 3



#### 14.4. Packing group

ADR / RID, IMDG, IATA: III



# VITEX S.A.

## GALVANIZE

Revision nr.6  
Dated 24/06/2019  
Printed on 11/09/2020  
Page n. 11 / 13  
Replaced revision:5 (Dated 26/02/2015)

### SECTION 14. Transport information ... / >>

#### 14.5. Environmental hazards

ADR / RID: Environmentally Hazardous



IMDG: Marine Pollutant



IATA: NO

For Air transport, environmentally hazardous mark is only mandatory for UN 3077 and UN 3082.

#### 14.6. Special precautions for user

|            |   |  |  |
|------------|---|--|--|
| ADR / RID: | HIN - Kemler: 30<br>Special Provision: -  | Limited Quantities: 5 L  | Tunnel restriction code: (D/E)                             |
| IMDG:      | EMS: F-E, S-E                             | Limited Quantities: 5 L  |  |
| IATA:      | Cargo:<br>Pass.:<br>Special Instructions: | Maximum quantity: 220 L<br>Maximum quantity: 60 L<br>A3, A72, A192 | Packaging instructions: 366<br>Packaging instructions: 355 |

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Information not relevant

### SECTION 15. Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Seveso Category - Directive 2012/18/EC: P5c-E1

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product  
Point 3 - 40

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

VOC (Directive 2004/42/EC):

One-pack performance coatings.

#### 15.2. Chemical safety assessment

No chemical safety assessment has been processed for the mixture and the substances it contains.

### SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

|                     |                              |
|---------------------|------------------------------|
| <b>Flam. Liq. 2</b> | Flammable liquid, category 2 |
| <b>Flam. Liq. 3</b> | Flammable liquid, category 3 |



# VITEX S.A.

## GALVANIZE

Revision nr.6  
Dated 24/06/2019  
Printed on 11/09/2020  
Page n. 12 / 13  
Replaced revision:5 (Dated 26/02/2015)

### SECTION 16. Other information ... / >>

|                          |  |
|--------------------------|--|
| <b>Repr. 2</b>           | Reproductive toxicity, category 2                                  |
| <b>Acute Tox. 4</b>      | Acute toxicity, category 4   |
| <b>Asp. Tox. 1</b>       | Aspiration hazard, category 1                                      |
| <b>STOT RE 2</b>         | Specific target organ toxicity - repeated exposure, category 2     |
| <b>Eye Dam. 1</b>        | Serious eye damage, category 1                                     |
| <b>Eye Irrit. 2</b>      | Eye irritation, category 2   |
| <b>Skin Irrit. 2</b>     | Skin irritation, category 2  |
| <b>STOT SE 3</b>         | Specific target organ toxicity - single exposure, category 3       |
| <b>Aquatic Acute 1</b>   | Hazardous to the aquatic environment, acute toxicity, category 1   |
| <b>Aquatic Chronic 1</b> | Hazardous to the aquatic environment, chronic toxicity, category 1 |
| <b>Aquatic Chronic 2</b> | Hazardous to the aquatic environment, chronic toxicity, category 2 |
| <b>H225</b>              | Highly flammable liquid and vapour.                                |
| <b>H226</b>              | Flammable liquid and vapour.                                       |
| <b>H361d</b>             | Suspected of damaging the unborn child.                            |
| <b>H312</b>              | Harmful in contact with skin.                                      |
| <b>H332</b>              | Harmful if inhaled.  |
| <b>H304</b>              | May be fatal if swallowed and enters airways.                      |
| <b>H373</b>              | May cause damage to organs through prolonged or repeated exposure. |
| <b>H318</b>              | Causes serious eye damage.   |
| <b>H319</b>              | Causes serious eye irritation.                                     |
| <b>H315</b>              | Causes skin irritation.  |
| <b>H335</b>              | May cause respiratory irritation.                                  |
| <b>H336</b>              | May cause drowsiness or dizziness.                                 |
| <b>H400</b>              | Very toxic to aquatic life.  |
| <b>H410</b>              | Very toxic to aquatic life with long lasting effects.              |
| <b>H411</b>              | Toxic to aquatic life with long lasting effects.                   |
| <b>EUH066</b>            | Repeated exposure may cause skin dryness or cracking.              |

#### LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

#### GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
4. Regulation (EU) 2015/830 of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament



# VITEX S.A.

## GALVANIZE

Revision nr.6  
Dated 24/06/2019  
Printed on 11/09/2020  
Page n. 13 / 13  
Replaced revision:5 (Dated 26/02/2015)

### SECTION 16. Other information ... / >>

9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)
14. Regulation (EU) 2018/669 (XI Atp. CLP)
15. Regulation (EU) 2018/1480 (XIII Atp. CLP)
16. Regulation (EU) 2019/521 (XII Atp. CLP)

- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

#### Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

Product's classification is based on the calculation methods set out in Annex I of the CLP Regulation, unless otherwise indicated in sections 11 and 12.

The data for evaluation of chemical-physical properties are reported in section 9.

#### Changes to previous review:

The following sections were modified:

01 / 02 / 03 / 04 / 06 / 07 / 08 / 10 / 11 / 12 / 14 / 15.